

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-15. (Cancelled)

16. (Previously Presented) A thermal protection system, comprising:
an insulating core comprising carbon foam produced directly from particulate coal
having a thermal conductivity below about 1 W/m °K.

17. (Previously Presented) The thermal protection system of claim 16, wherein
the carbon foam is a coal-based cellular foam.

18. (Cancelled)

19. (Previously Presented) A thermal protection system, comprising:
an insulating core comprising carbon foam produced directly from particulate coal
and having a density ranging from about 0.1 to about 0.8 g/cm³.

20. (Previously Presented) The thermal protection system of claim 16, wherein
the carbon foam has a density ranging from about 0.1 to about 0.8 g/cm³.